

Appendix C:

Synthetic Control Design Parameters: Exemplary Overlap Extension Components and Reaction Parameters

1. Components (25µl reaction)

dH ₂ O	16.5µl
10X PCR Buffer	2.5µl
MgCl ₂ (25mM)	2.5µl
dNTPs (2.0 mM)	2.5µl
Oligonucleotides (10µM)	1.0µl
Amplitaq Gold 0.6U/µl)	1.0µl

2. Reaction Parameters

94°	10 minutes	
94°	45 seconds	5 Cycles
60°	45 seconds	
72°	45 seconds	
94°	45 seconds	25 Cycles
60°	45 seconds	
72°	45 seconds	
72°	5 minutes	
4°	∞	